



**Follow up on MD's interim target N:P exchange question** 📎

**Katherine Antos** to: Lee Currey

10/29/2010 04:33 PM

Cc: "Chris Brosch", "Gary Shenk", "Jeff Sweeney", "Jing Wu", Lucinda Power, Ning Zhou, "Sucharith Ravi", "Vimal Amin", James Edward

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Hello Lee,

Thank you for your question regarding nitrogen to phosphorus exchanges for the 2017 interim target. If EPA approves Maryland's requested change to the final nutrient and sediment allocations across basins based on the 2020.xls that Maryland submitted on September 1, EPA will update the 60% interim targets accordingly. This request is being processed through the models as we speak.

EPA would consider accepting that a jurisdiction may not meet its interim 60% targets for each pollutant - nitrogen, phosphorus and sediment - in each major basin by 2017 so long as the jurisdiction can document that it will still implement all necessary controls to achieve all allocations by 2025. EPA would consider whether, jurisdiction-wide, the interim nutrient and sediment targets are met and the affect on attainment of water quality standards. For instance, EPA may not object if Maryland targets implementation actions between 2010 and 2017 so that nutrient reductions are ahead of schedule in some basins but behind in others so long as the basins with "slower" implementation are not resulting in local water quality impairments.

Given that EPA will be first and foremost looking at the overall water quality response to statewide progress, EPA does not intend to formally assess additional N:P exchanges and modifications to the interim target. However, EPA is comfortable if Maryland characterizes its 2017 commitment as resulting in, statewide, approximately 76% of the necessary nutrient reductions based on the relative affect of nitrogen and phosphorus loads on dissolved oxygen levels in the the Chesapeake Bay.

Please let me know if you have any further questions,  
Katherine

Katherine Wallace Antos  
Chesapeake Bay Program Office  
U.S. Environmental Protection Agency  
410 Severn Ave., Suite 112  
Annapolis, MD 21403

(410) 295-1358

"Lee Currey"

Jeff et. al.,

10/25/2010 02:39:54 PM

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From: "Lee Currey" <lcurrey@mde.state.md.us>  
To: "Gary Shenk" <GShenk@chesapeakebay.net>, "Jeff Sweeney" <JSweeney@chesapeakebay.net>, "Sucharith Ravi" <sravi@chesapeakebay.net>  
Cc: "Chris Brosch" <cbrosch@chesapeakebay.net>, "Jing Wu" <JWu@chesapeakebay.net>, Katherine Antos/CBP/USEPA/US@EPA, Lucinda Power/DC/USEPA/US@EPA, Ning Zhou/CBP/USEPA/US@EPA, "Vimal Amin" <vamin@mde.state.md.us>  
Date: 10/25/2010 02:39 PM  
Subject: RE: MD WIP (2010MDWIP8N100810)

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Jeff et. al.,

Thank you for getting us these results so quickly. They will help inform the Bay Cabinet at tomorrow's meeting.

Do you know if we can apply the N:P exchanges toward the 2017 interim targets? For example, increasing the TP target by 11b and then reducing the TN target by 15 lbs. If we do this, and balance the progress toward the interim target, we should be able to claim about 76% for both TN and TP for this scenario.

Lee

D. Lee Currey, P.E.  
Program Manager  
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(fax) 410.537.3873

>>> Gary Shenk <GShenk@chesapeakebay.net> 10/25/2010 9:15 AM >>>  
2010MDWIP8N100810 is complete

Gary Shenk  
Integrated Analysis Coordinator  
EPA / Chesapeake Bay Program Office  
410 Severn Ave  
Suite 112  
Annapolis MD 21403

-----Original Message-----

From: Jeff Sweeney  
Sent: Sunday, October 24, 2010 5:03 PM  
To: Lee Currey; Sucharith Ravi  
Cc: Chris Brosch; Gary Shenk; Jing Wu; Katherine Antos; Lucinda Power; Ning Zhou  
Subject: MD WIP (2010MDWIP8N100810)

Jing, Gary,

Just a reminder that it would be good to have this run complete as early Monday as possible. Sunday evening would be ideal. Lee Currey is tracking this closely as the MD stakeholder meeting with these results is important.

Wastewater and CSO inputs to the model are cited in Ning's email to you on Friday, October 22 4:10 PM.

Thanks,

Jeff

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From: Lee Currey [lcurrey@mde.state.md.us]  
Sent: Sunday, October 24, 2010 4:38 PM  
To: Jeff Sweeney; Sucharith Ravi  
Cc: Chris Brosch; Gary Shenk; Jing Wu; Katherine Antos; Lucinda Power; Ning Zhou  
Subject: Re: MD WIP (2010MDWIP8N100810)

Thank you CBP for making this a priority for us.

Lee

>>> Jeff Sweeney 10/23/10 11:39 AM >>>  
Gary, Jing,

Do you have a status for this MD WIP WSM run - 2010MDWIP8N100810?  
Instructions for inputs are below from Sucharith and Ning supplied the  
wastewater inputs yesterday.

This is needed by Monday AM for an important meeting among MD agencies  
and Sucharith would need to summarize model output.

Thanks,

Jeff

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From: Sucharith Ravi  
Sent: Friday, October 22, 2010 1:07 PM  
To: Jeff Sweeney  
Cc: Gary Shenk; Jing Wu; Chris Brosch; Lucinda Power; Ning Zhou  
Subject: RE: 2010MDWIP8N100810

Jing,

Please run this through WSM when you have PS file from Ning.  
Septic file is at

"S:\MODELING\Phase5\JSweeney\To\_WatershedModelPhase53\State\_WIP\MD\2010MDWIP  
8N100810"

Thanks,  
Sucharith

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From: Mark Lane  
Sent: Friday, October 22, 2010 12:22 PM

To: Sucharith Ravi; John Heinz; Jeff Sweeney  
Cc: Jessica Rigelman; Gary Shenk; Jing Wu; Chris Brosch; Charles Thompson; Lucinda Power; Ning Zhou  
Subject: RE: 2010MDWIP8N100810

The run is done and the files are at: \\gar-dev\databases\Vortex\Version 2.2\2010MDWIP8N100810\

Mark Lane  
Database Engineer III  
Trecom Systems Group Inc.

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From: Sucharith Ravi  
Sent: Friday, October 22, 2010 10:17 AM  
To: Mark Lane; John Heinz; Jeff Sweeney  
Cc: Jessica Rigelman; Gary Shenk; Jing Wu; Chris Brosch; Charles Thompson; Lucinda Power; Ning Zhou  
Subject: 2010MDWIP8N100810

Trecom,  
SB input files for MDWIP8(2010MDWIP8N100810) are at  
"S:\MODELING\Phase5\JSweeney\To\_ScenarioBuilderVersion22\2010MDWIP\2010MDWIP8N100810"  
Please run this through SB and notify us when it's done.

The only validation error I got is  
There are 1831 amounts that are less than 0, but I think SB can process these Nutrient lbs BMP's.

Jing,Gary,  
Septic file for this scenario is at

"S:\MODELING\Phase5\JSweeney\To\_WatershedModelPhase53\State\_WIP\MD\2010MDWIP8N100810"

Deposition is Allocation Air

Thanks,  
Sucharith

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From: Mark Lane  
Sent: Tuesday, October 19, 2010 3:16 PM  
To: Sucharith Ravi; John Heinz; Jeff Sweeney  
Cc: Jessica Rigelman; Gary Shenk; Jing Wu; Chris Brosch; Charles

Thompson; Lucinda Power  
Subject: RE: 2010WVWIP5100810

The scenario finished and the files are at:  
\\gar-dev\databases\Vortex\Version 2.2\2010WVWIP5N100810.

We were able to change the name of the scenario.

Mark Lane  
Database Engineer III  
Trecom Systems Group Inc.

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From: Sucharith Ravi  
Sent: Tuesday, October 19, 2010 12:42 PM  
To: Mark Lane; John Heinz; Jeff Sweeney  
Cc: Jessica Rigelman; Gary Shenk; Jing Wu; Chris Brosch; Charles Thompson; Lucinda Power  
Subject: RE: 2010WVWIP5100810

It's N-based, can you change the name to 2010WVWIP5N100810, or is it too late.

Thanks,  
Sucharith

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From: Mark Lane  
Sent: Tuesday, October 19, 2010 11:25 AM  
To: Sucharith Ravi; John Heinz; Jeff Sweeney  
Cc: Jessica Rigelman; Gary Shenk; Jing Wu; Chris Brosch; Charles Thompson; Lucinda Power  
Subject: RE: 2010WVWIP5100810

N or P plan?

Mark Lane  
Database Engineer III  
Trecom Systems Group Inc.

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From: Sucharith Ravi  
Sent: Tuesday, October 19, 2010 11:20 AM  
To: John Heinz; Jeff Sweeney  
Cc: Mark Lane; Jessica Rigelman; Gary Shenk; Jing Wu; Chris Brosch; Charles Thompson; Lucinda Power  
Subject: 2010WVWIP5100810

Trecom,

SB Input files for WVVIP5 are at  
S:\MODELING\Phase5\JSweeney\To\_ScenarioBuilderVersion22\2010WVVIP\2010WVVIP5  
100810

Please run this through SB and notify us when it's done

Thanks,  
Sucharith

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From: John Heinz  
Sent: Monday, October 18, 2010 12:01 PM  
To: Jeff Sweeney; Sucharith Ravi  
Cc: Mark Lane; Jessica Rigelman  
Subject: Sceario Runs

Hi Jeff and Sucharith,

What is the schedule looking like today and tomorrow?

Thanks John

Software Developer  
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